	Application No.	Applicant(s)
Notice of Allowability	09/874,630	SULLIVAN ET AL.
	Examiner	Art Unit	
	Paul H. Kang	2144	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to *the amendment filed November 29, 2006*.

2. ☒ The allowed claim(s) is/are *1-11,14-20,22,23 and 25-48*.

3. ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).

    a) ☐ All   b) ☐ Some*   c) ☐ None   of the:

        1. ☐ Certified copies of the priority documents have been received.

        2. ☐ Certified copies of the priority documents have been received in Application No. _____ .

        3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the

            International Bureau (PCT Rule 17.2(a)). ·

    * Certified copies not received: _____ .

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.
THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.

4. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.

5. ☐ CORRECTED DRAWINGS (as "replacement sheets") must be submitted.

    (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached

        1) ☐ hereto or 2) ☐ to Paper No./Mail Date _____.

    (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of

        Paper No./Mail Date _____.

    Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).

6. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

Attachment(s) ·

1. ☐ Notice of References Cited (PTO-892)

2. ☐ Notice of Draftperson's Patent Drawing Review (PTO-948)

3. ☐ Information Disclosure Statements (PTO/SB/08), Paper No./Mail Date _____

4. ☐ Examiner's Comment Regarding Requirement for Deposit of Biological Material

5. ☐ Notice of Informal Patent Application

6. ☒ Interview Summary (PTO-413), Paper No./Mail Date *1/3/07* .

7. ☒ Examiner's Amendment/Comment

8. ☐ Examiner's Statement of Reasons for Allowance

9. ☐ Other _____ .

EXAMINER'S AMENDMENT

1.   An Examiner's Amendment to the record appears below. Should the changes and/or

additions be unacceptable to applicant, an amendment may be filed as provided by 37 C.F.R.

§ 1.312. To ensure consideration of such an amendment, it MUST be submitted no later than the

payment of the Issue Fee.

Authorization for this Examiner's Amendment was given in a telephone interview with

Mr. Jeffrey A. Proehl, Reg. No. 35,987 on January 3, 2007.

2.   Amend the claims as set forth in the attached listing of claims.

3.   Any comments considered necessary by applicant must be submitted no later than the

payment of the issue fee and, to avoid processing delays, should preferably accompany the issue

fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for

Allowance."

Conclusion

4.   Any inquiry concerning this communication or earlier communications from the

examiner should be directed to Paul H. Kang whose telephone number is (571) 272-3882. The

examiner can normally be reached on 9 hour flex. First Friday.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's

supervisor, William Vaughn can be reached on (571) 272-3922. The fax phone number for the

organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent

Application Information Retrieval (PAIR) system. Status information for published applications

may be obtained from either Private PAIR or Public PAIR. Status information for unpublished

applications is available through Private PAIR only. For more information about the PAIR

system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR

system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would

like assistance from a USPTO Customer Service Representative or access to the automated

information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

PAUL H. KANG
PRIMARY PATENT EXAMINER

1.   (Currently Amended) In a computer network comprising a client computer and a plurality of servers, wherein each server is capable of being assigned at least one conversion rating, each conversion rating corresponding to a processing capability of each server to convert a first file format unreadable by the client computer that the respective server is capable of converting into a second file format readable by the client computer, wherein the conversion rating depends on the native application used by the respective server or the processing capabilities of the respective server, a method for selecting one of the plurality of servers comprising:

receiving a file on the client computer, wherein the file is written in a source format unreadable by the client computer; and

broadcasting the format of the received file to the plurality of servers;

in response to the broadcast, receiving from at least one of the plurality of servers the conversion rating assigned thereto corresponding to the broadcasted format of the received file;

selecting one of the plurality of servers having the highest conversion rating assigned thereto corresponding to the source format of the received file;

transmitting to the selected server the received file written in the source format unreadable by the client computer;

receiving from the selected server a location of the received file written in a conversion format readable by the client computer, wherein the received file written in the source format is converted by the selected server into the received file written in the conversion format;

directing a web browser application on the client computer to the location of the received file written in the conversion format on the selected server; and

downloading the received file written in the conversion format from the selected server onto the client computer using the web browser application.

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2.   (Original) The method of claim 1, further comprising: selecting
a conversion format for the received file, wherein the conversion format is
readable by the client computer, and further wherein the selected server is
capable of converting the received file written in the source format into the
received file written in the conversion format.

3.   (Original) The method of claim 1, further comprising: reading a
Multipurpose Internet Mail Extension (MIME) attached to the received file
to identify the source format of the received file

4.   (Original) The method of claim 1, wherein the step of selecting
one
of the plurality of servers further comprises:
        broadcasting the source format of the received file to the plurality of
servers;
        in response to the broadcast, receiving from at least one of the
plurality of servers the conversion rating assigned thereto corresponding to
the source format of the received file; and
        selecting one of the plurality of servers having the highest received
conversion rating.

5.   (Previously Presented) The method of claim 1, wherein the client
computer comprises a lookup table having one or more entries, each entry
including a file format unreadable by the client computer and a preferred
one of the plurality of servers capable of converting the unreadable file
format into a file format readable by the client computer, and wherein the
step of selecting one of the plurality of servers further comprises:
        locating the entry in the lookup table corresponding to the source
format of the received file; and
        selecting the preferred one of the plurality of servers included in the
located entry of the lookup table.

6.   (Original) The method of claim 1, wherein the client computer
and the selected server utilize different operating systems.

7.   (Original) The method of claim 1, further comprising:
transmitting to the selected server the received file written in the
source format unreadable by the client computer;
receiving from the selected server the received file written in a
conversion format readable by the client computer, wherein the received file
written in the source format is converted by the selected server into the
received file written in the conversion format; and
displaying the received file written in the conversion format on the
client computer using a native application on the client computer.

8.   (Original) The method of claim 7, wherein the conversion
format for the received file is Hyper Text Markup Language (HTML) format,
and the native application on the client computer is a web browser
application.

9.   (Original) The method of claim 7, wherein the source format of
the received file is compressed format, and the conversion format for the
received file is decompressed format.

10.   (Original) The method of claim 9, wherein the source format of
the received file is ZIP format.

11.   (Original) The method of claim 7, wherein the source format of
the received file is encrypted format, and the conversion format for the
received file is decrypted format.

12. through 13.   (Cancelled)

14.   (Previously presented) The method of claim 1, wherein the
location of the received file written in the conversion format is one of: a
Uniform Resource Locator (URL) and an Internet Protocol (IP) address.

15. (Previously presented) The method of claim 1, wherein the conversion format for the received file is Hyper Text Markup Language (HTML) format.

16. (Previously presented) The method of claim 1, wherein the source format of the received file is compressed format, and the conversion format for the received file is decompressed format.

17. (Previously presented) The method of claim 1, wherein the source format of the received file is encrypted format, and the conversion format for the received file is decrypted format.

18. (Original) The method of claim 1, further comprising:

transmitting to the selected server the received file written in the source format unreadable by the client computer;

receiving from the selected server display content information, wherein the received file is opened in an application running on the selected server and the display content information is generated therefrom; and

displaying the display content information on the client computer.

. 19. (Original) The method of claim 1, wherein the received file is a file archive including a plurality of files written in a compressed format unreadable by the client computer, further comprising:

transmitting to the selected server the file archive written in the compressed format;

receiving from the selected server an index page including a plurality of links, each link corresponding to one of the plurality of files in the file archive written in a decompressed format readable by the client computer, wherein the file archive written in the compressed format is converted by the selected server into the file archive written in the decompressed format; and

displaying the index page on the client computer.

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20. (Currently Amended) A storage medium readable by a client computer and having instructions encoded thereon for causing the client computer to perform, in a computer network comprising the client computer and a plurality of servers, wherein each server is capable of being assigned at least one conversion rating, each conversion rating corresponding to <u>a processing capability of each server to convert</u> a first file format unreadable by the client computer that the respective server is capable of converting into a second file format readable by the client computer, <u>wherein the conversion rating depends on the native application used by the respective server or the processing capabilities of the respective server,</u> a method for selecting one of the plurality of servers, the method comprising the steps of:

receiving a file on the client computer, wherein the file is written in a source format unreadable by the client computer;

selecting one of the plurality of servers having the highest conversion rating assigned thereto corresponding to the source format of the received file;

wherein the step of selecting one of the plurality of servers further comprises:

broadcasting the source format of the received file to the plurality of servers;

in response to the broadcast, receiving from at least one of the plurality of servers the conversion rating assigned thereto corresponding to the source format of the received file; and

selecting one of the plurality of servers having the highest received conversion rating.

21. (Cancelled)

22.   (Previously Presented) The storage medium of claim 20, wherein the client computer comprises a lookup table having one or more entries, each entry including a file format unreadable by the client computer and a preferred one of the plurality of servers capable of converting the unreadable file format into a file format readable by the client computer, and wherein the step of selecting one of the plurality of servers further comprises:

locating the entry in the lookup table corresponding to the source format of the received file; and

selecting the preferred one of the plurality of servers included in the located entry of the lookup table.

23.   (Currently Amended) In a computer network comprising a client computer and a plurality of servers, wherein each server is capable of being assigned at least one conversion rating, each conversion rating corresponding to a processing capability of each server to convert a first file format unreadable by the client computer that the respective server is capable of converting into a second file format readable by the client computer, wherein the conversion rating depends on the native application used by the respective server or the processing capabilities of the respective server, the client computer comprising:

a processor;

a memory;

equipment for coupling to the network, wherein the client computer is capable of intermittently connecting to at least one of the plurality of servers through the network; and

a computer program stored on the memory and capable of being executed by the processor, wherein the program is capable of performing the steps of:

receiving a file on the client computer, wherein the file is written in a source format unreadable by the client computer; and

selecting one of the plurality of servers having the highest conversion rating assigned thereto corresponding to the source format of the received file;

wherein the step of selecting one of the plurality of servers further comprises:

broadcasting the source format of the received file to the plurality of servers;

in response to the broadcast, receiving from at least one of the plurality of servers the conversion rating assigned thereto corresponding to the source format of the received file; and

selecting one of the plurality of servers having the highest received conversion rating.

24.   (Cancelled)

25.   (Previously presented) The client computer of claim 23, further comprising: a lookup table stored on the memory and having one or more entries, each entry including a file format unreadable by the client computer and a preferred one of the plurality of servers capable of converting the unreadable file format into a file format readable by the client computer, wherein the step of selecting one of the plurality of servers further comprises:

locating the entry in the lookup table corresponding to the source format of the received file; and

selecting the server included in the located entry of the lookup table.

26.   (Currently Amended) In a computer network comprising a client computer and a plurality of servers, wherein each server is capable of being assigned at least one conversion rating, each conversion rating corresponding to a processing capability of each server to convert a first file format unreadable by the client computer that the respective server is capable of converting into a second file format readable by the client computer, wherein the conversion rating depends on the native application used by the respective server or the processing capabilities of the respective server, a method for selecting one of the plurality of servers comprising:

receiving a file on the client computer, wherein the file is written in a format unreadable by the client computer;

transmitting broadcasting the format of the received file to a resource locator server; and

in response to the transmission of the format of the received file, receiving a selection of one of the plurality of servers from the a resource locator server, wherein the selected server has the highest conversion rating assigned thereto corresponding to the format of the received file.

27.   (Original) The method of claim 26, further comprising reading a Multipurpose Internet Mail Extension (MIME) attached to the received file to identify the format of the received file.

28.   (Original) The method of claim 26, further comprising receiving contact information for the selected server from the resource locator server.

29.   (Original) The method of claim 28, wherein the contact information for the selected server comprises one of: a Uniform Resource Locator (URL) and an Internet Protocol (IP) address.

30.   (Currently Amended)   In a computer network comprising a client computer and a plurality of servers, wherein each server is capable of being assigned at least one conversion rating, each conversion rating corresponding to <u>a processing capability of each server to convert</u> a first file format unreadable by the client computer that the respective server is capable of converting into a second file format readable by the client computer, <u>wherein the conversion rating depends on the native application used by the respective server or the processing capabilities of the respective server,</u> a method for displaying a file archive located on the Internet, wherein the file archive includes a plurality of files and is written in a source format unreadable by the client computer, comprising:

 <u>receiving a file on the client computer, wherein the file is written in a source format unreadable by the client computer;</u>

 <u>broadcasting the format of the received file to the plurality of servers;</u>

 <u>in response to the broadcast, receiving from at least one of the plurality of servers the conversion rating assigned thereto corresponding to the broadcasted format of the received file;</u>

 selecting one of the plurality of servers having the highest conversion rating assigned thereto corresponding to the source format of the file archive;

 transmitting a location of the file archive on the Internet to the selected server;

 receiving from the selected server an index page including a plurality of links, each link corresponding to one of the plurality of files in the file archive written in a conversion format readable by the client computer, wherein the file archive written in the source format is converted by the selected server into the file archive written in the conversion format; and

 displaying the index page on the client computer.

31.   (Original) The method of claim 30, wherein the source format of the file archive is compressed format, and the conversion format of the file archive is decompressed format.

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32. (Original) The method of claim 30, wherein the index page is written in Hyper Text Markup Language (HTML) and displayed on the client computer using a web browser application.

33. (Original) The method of claim 30, wherein the location of the file archive on the Internet is one of: a Uniform Resource Locator (URL) and an Internet Protocol (IP) address.

34. (Currently Amended) In a computer network comprising a client computer and a plurality of servers, wherein each server is capable of being assigned at least one conversion rating, each conversion rating corresponding to a processing capability of each server to convert a first file format unreadable by the client computer that the respective server is capable of converting into a second file format readable by the client computer, wherein the conversion rating depends on the native application used by the respective server or the processing capabilities of the respective server, a method for selecting one of the plurality of servers comprising:
   receiving a file on the client computer, wherein the received file is written in a format unreadable by the client computer;
   broadcasting the format of the received file to the plurality of servers;
   in response to the broadcast, receiving from at least one of the plurality of servers the conversion rating assigned thereto corresponding to the broadcasted format of the received file; and
   selecting one of the plurality of servers having the highest received conversion rating;
   wherein the client computer operates using a Linux operating system and the unreadable file format is based upon a Microsoft Windows operating system.

35. (Original) The method of claim 34, further comprising:

transmitting to the selected server the received file written in the format unreadable by the client computer;

receiving from the selected server the received file written in a conversion format readable by the client computer, wherein the received file written in the source format is converted by the selected server into the received file written in the conversion format; and

displaying the received file written in the conversion format on the client computer using a native application on the client computer.

36. (Original) The method of claim 34, further comprising:

transmitting to the selected server the received file written in the source format unreadable by the client computer; and

receiving from the selected server a location of the received file written in a conversion format readable by the client computer, wherein the received file written in the source format is converted by the selected server into the received file written in the conversion format.

37. (Original) The method of claim 34, further comprising:

transmitting to the selected server the received file written in the source format unreadable by the client computer;

receiving from the selected server display content information, wherein the received file is opened in an application running on the selected server and the display content information is generated therefrom; and

displaying the display content information on the client computer.

38.   (Original) The method of claim 34, wherein the received file is
a file archive including a plurality of files written in a compressed format
unreadable by the client computer, further comprising:

transmitting to the selected server the file archive written in the
compressed format;

receiving from the selected server an index page including a plurality
of links, each link corresponding to one of the plurality of files in the file
archive written in a decompressed format readable by the client computer,
wherein the file archive written in the compressed format is converted by
the selected server into the file archive written in the decompressed format;
and

displaying the index page on the client computer.

39.   (Currently Amended) A storage medium readable by a client
computer and having instructions encoded thereon for causing the client
computer to perform, in a computer network comprising the client computer
and a plurality of servers, wherein each server is capable of being assigned
at least one conversion rating, each conversion rating corresponding to a
processing capability of each server to convert a first file format unreadable
by the client computer that the respective server is capable of converting
into a second file format readable by the client computer, wherein the
conversion rating depends on the native application used by the respective
server or the processing capabilities of the respective server, a method for
selecting one of the plurality of servers, the method comprising the steps of:

receiving a file on the client computer, wherein the received file is
written in a format unreadable by the client computer;

broadcasting the format of the received file to the plurality of servers;

in response to the broadcast, receiving from at least one of the
plurality of servers the conversion rating assigned thereto corresponding to
the broadcasted format of the received file; and

selecting one of the plurality of servers having the highest received
conversion rating. ..

40.   (Currently Amedned)   In a computer network comprising a client
computer and a plurality of servers, wherein each server is capable of being
assigned at least one conversion rating, each conversion rating
corresponding to a_processing_capability_of_each_server_to_convert a first
file format unreadable by the client computer that the respective server is
capable of converting into a second file format readable by the client
computer, wherein_the_conversion_rating_depends_on_the_native_application
used_by_the_respective_server_or_the_processing_capabilities_of_the_respective
server, the client computer comprising:

a processor;

a memory;

equipment for coupling to the network, wherein the client computer is
capable of intermittently connecting to at least one of the plurality of
servers through the network; and

a computer program stored on the memory and capable of being
executed by the processor, wherein the program is capable of performing the
steps of:

receiving a file on the client computer, wherein the received file is
written in a format unreadable by the client computer;

broadcasting the format of the received file to the plurality of servers;

in response to the broadcast, receiving from at least one of the
plurality of servers the conversion rating assigned thereto corresponding to
the broadcasted format of the received file; and

selecting one of the plurality of servers having the highest received
conversion rating.

41.   (Previously Presented) The method of claim 1, wherein the step
of receiving includes recognizing by the client computer that the client
computer is unable to read the file due to the source format of the file.

42.   (Previously Presented) The method of claim 1, further comprising failing to read the file by the client computer because the source format of the file is unreadable by the client computer.

43.   (Previously presented) The method of claim 1, wherein a file is written in a source format unreadable by the client computer when the format of the file needs to be converted into a different format from the source format in order to be readable by the client computer.

44.   (Previously Presented) The method of claim 1, wherein a file is written in a source format unreadable by the client computer when an entirety of the file is unreadable by the client computer in the source format.

45.   (Previously presented) The method of claim 26 wherein the client computer operates using a Linux operating system and the unreadable file format is based upon a Microsoft Windows operating system.

46.   (Previously presented) The method of claim 26 wherein the unreadable source format of the received file is a file format that is formatted for use on a computer utilizing operating system software different from operating system software installed on the client computer.

47.   (Previously presented) The method of claim 26 wherein the unreadable source format of the received file is a type of format that the client computer cannot present to a user of the client computer using a program present on the client computer.

48.   (Previously presented) The method of claim 26 wherein the unreadable source format of the received file is a file format readable by an operating system software that is not installed on the client computer.

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